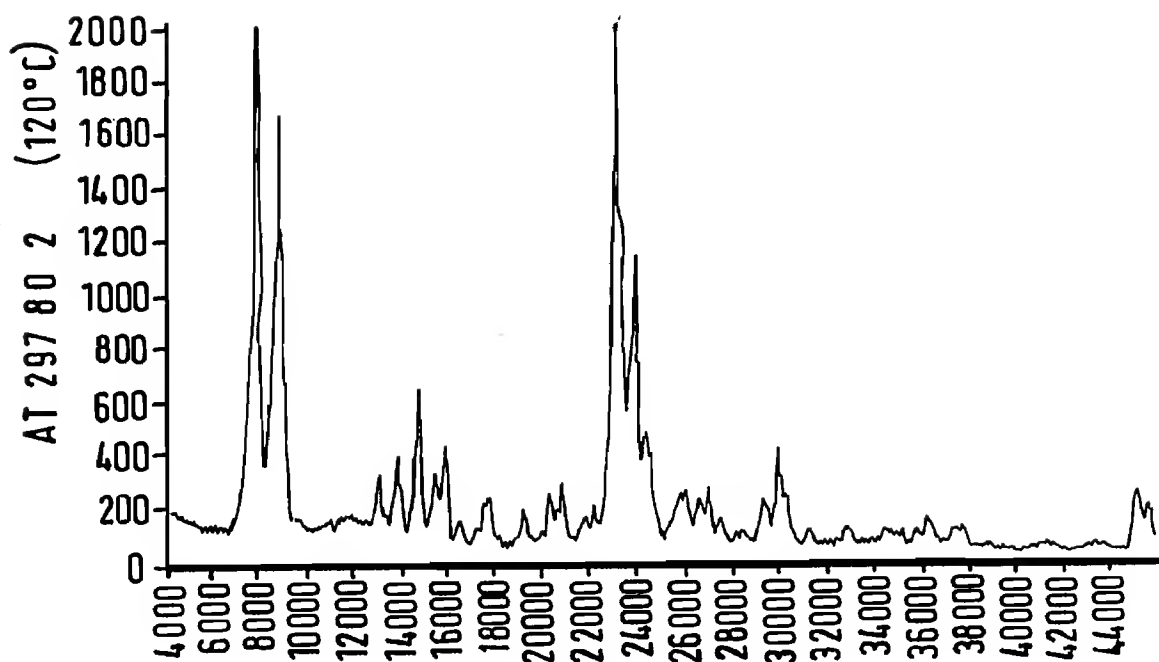
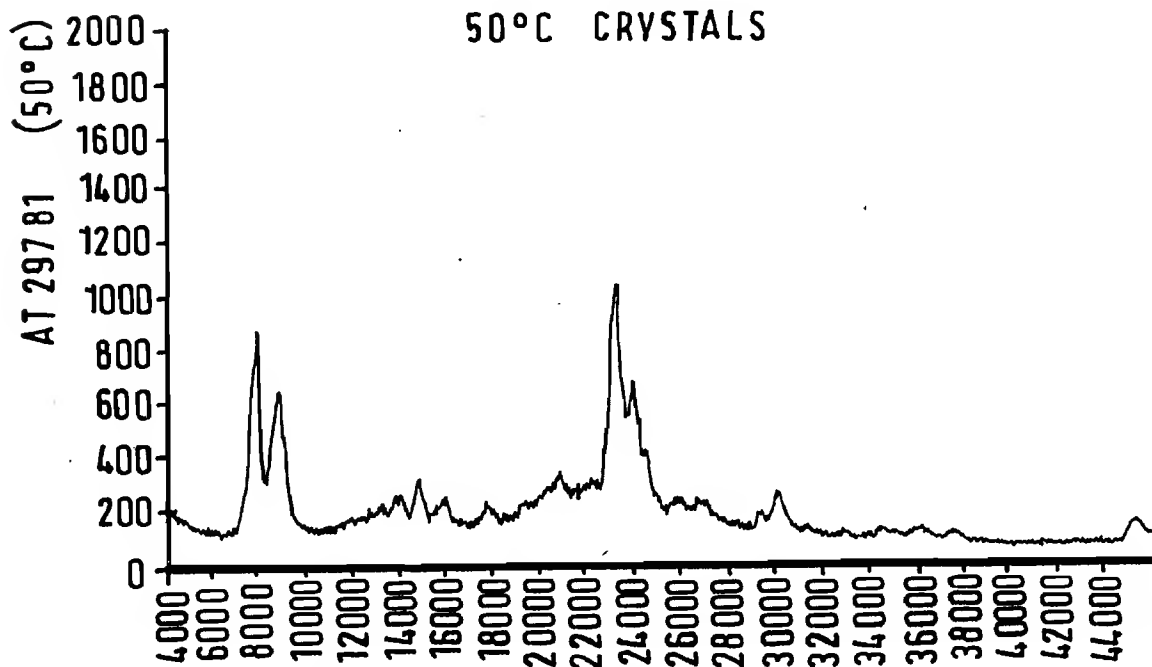


# FIG. 1

120° CRYSTALS

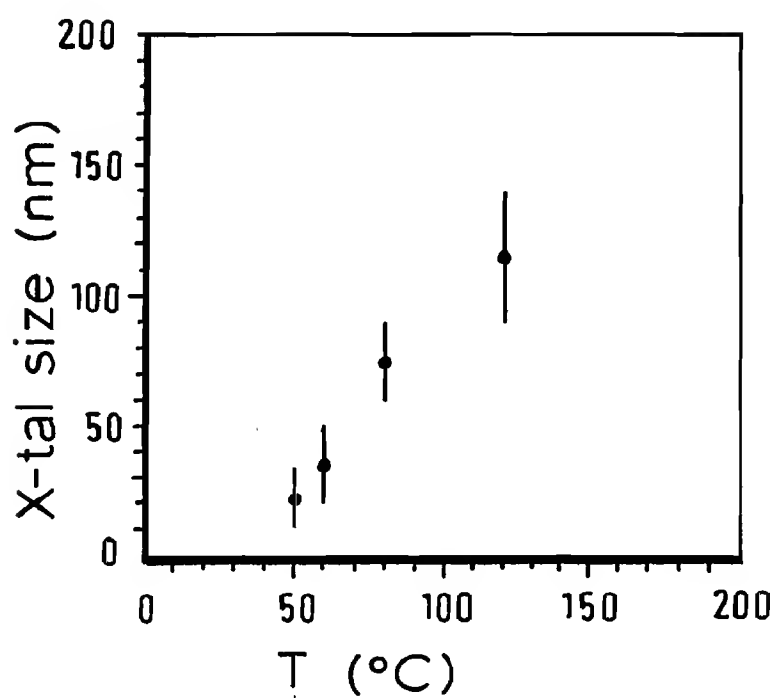


50° CRYSTALS



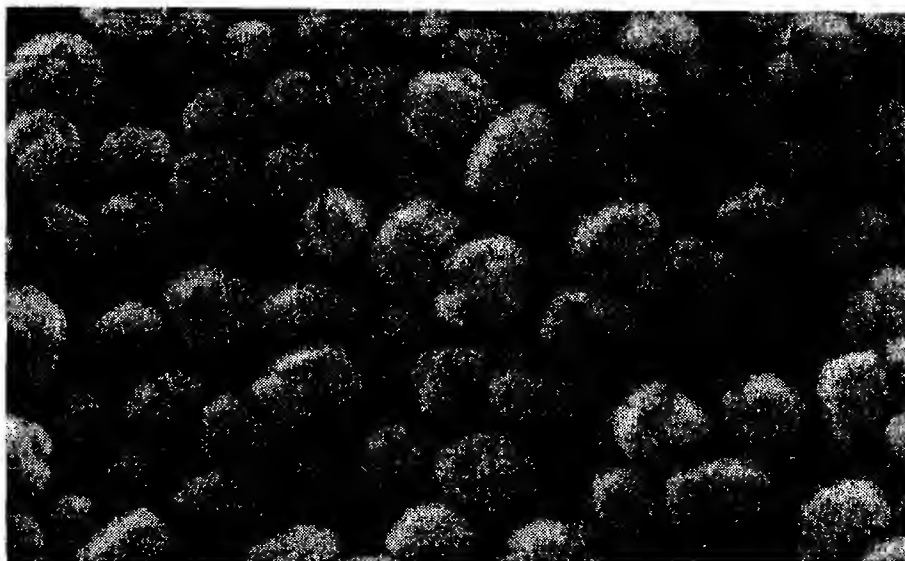
## FIG. 2

EFFECT OF SYNTHESIS TEMP.  
ON MFI-CRYSTALLITE SIZE

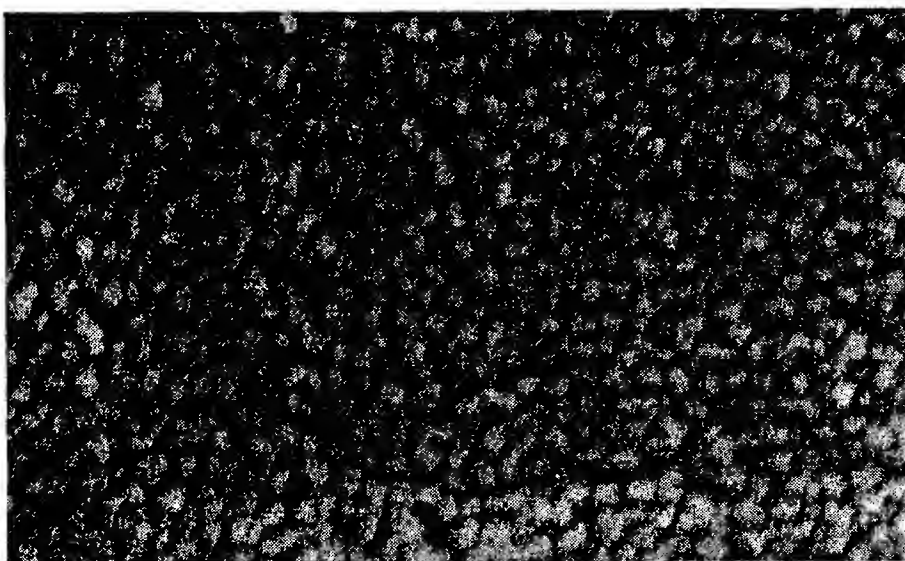


# *FIG. 3*

MAGNIFICATION : 104,000 \*  
120°C - CRYSTALS



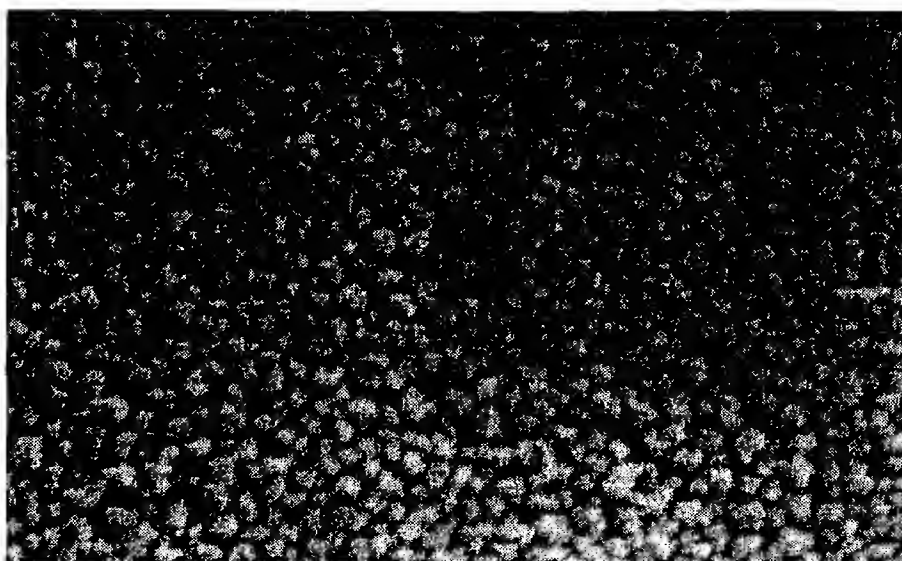
50°C - CRYSTALS



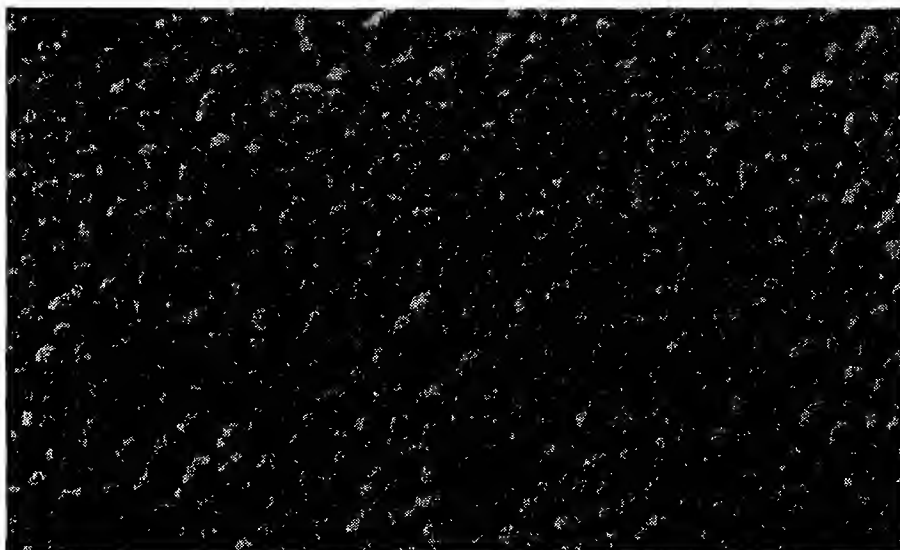
# FIG. 4

COMPARATIVE 140 000 \* SEM MICROGRAPHS

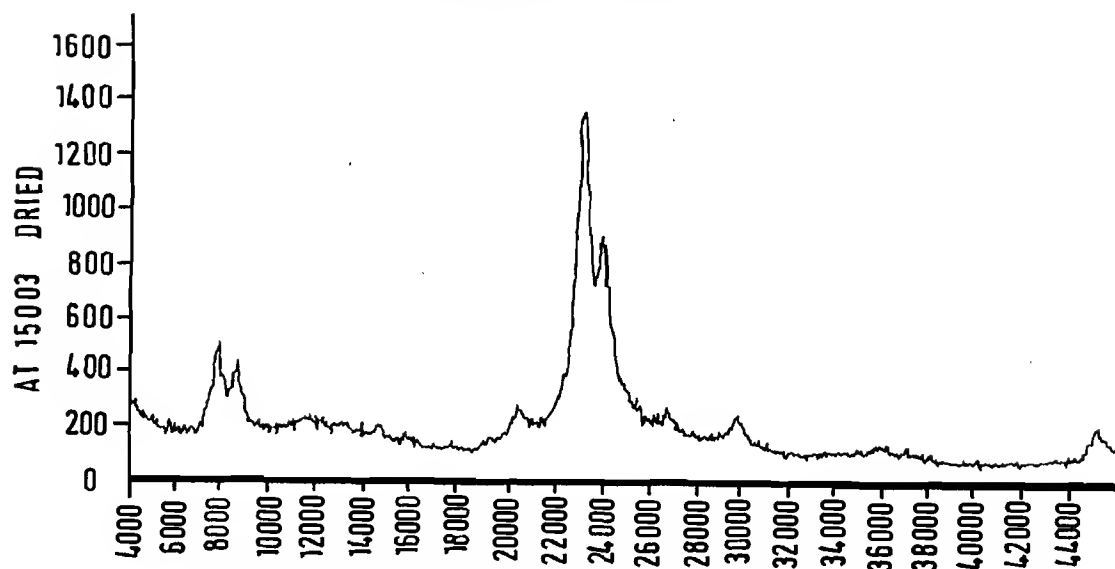
SILLICATE - 1 PRE AGED AT 50°C



SILLICATE - 1 PRE AGED  
AT 50°C FOLLOWED BY 100°C CRYSTALLISATION



**FIG. 5**  
XRD OF PRODUCT DRIED  
AFTER SYNTHESIS

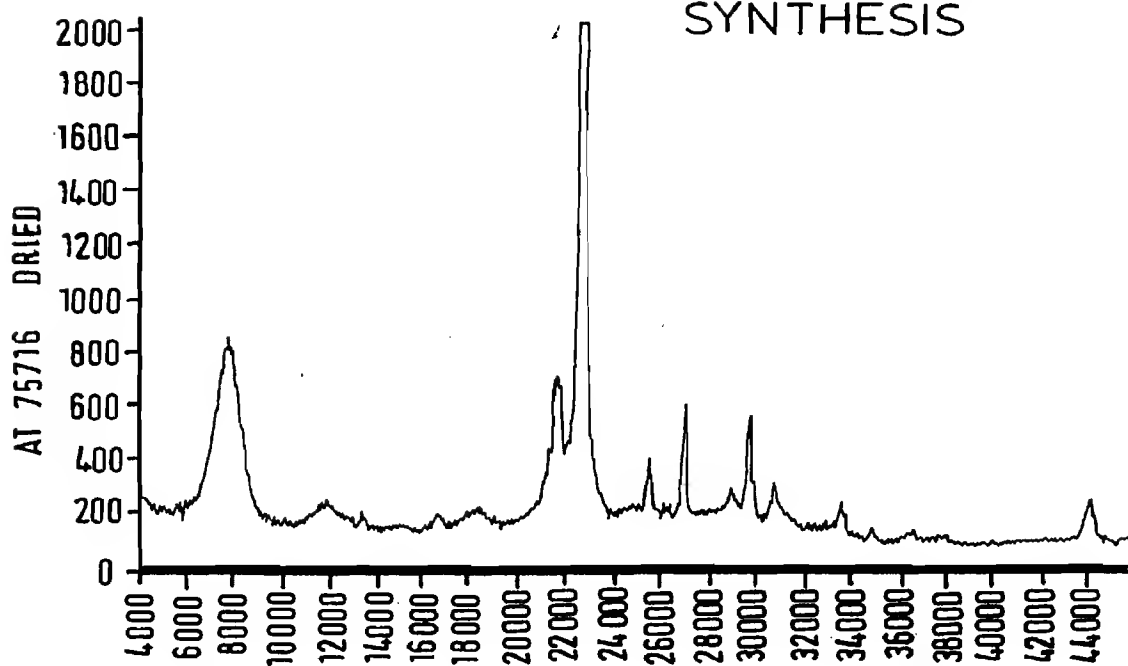


MAGNIFICATION 104,000 \*

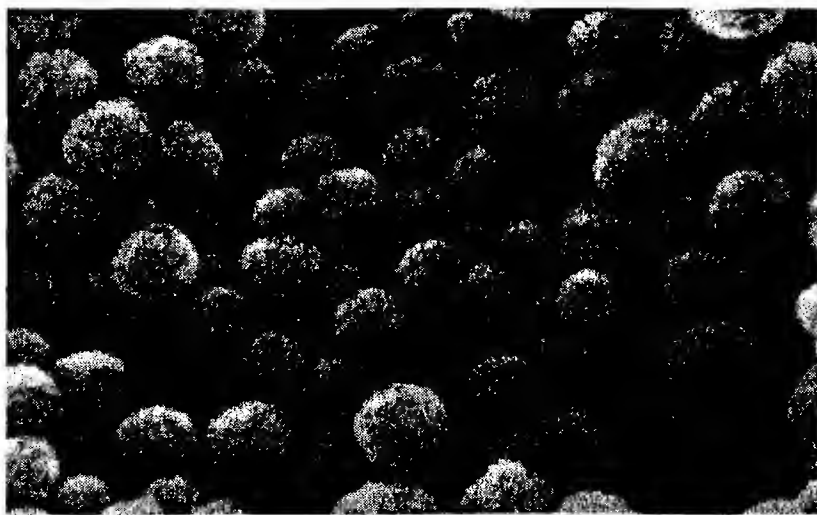


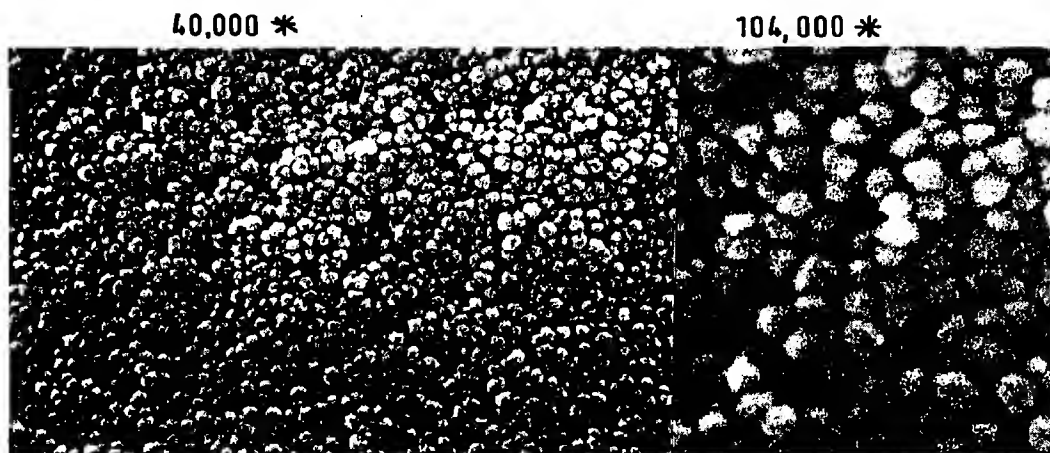
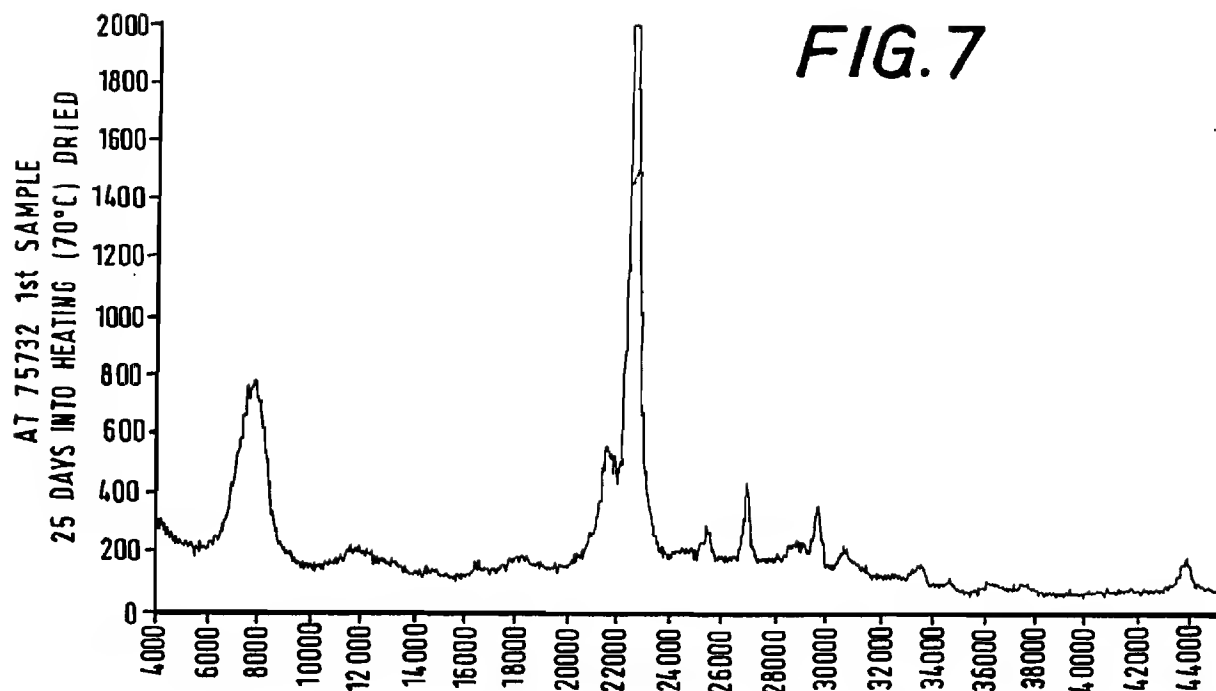
**FIG.6**

XRD OF PRODUCT DRIED AFTER  
SYNTHESIS



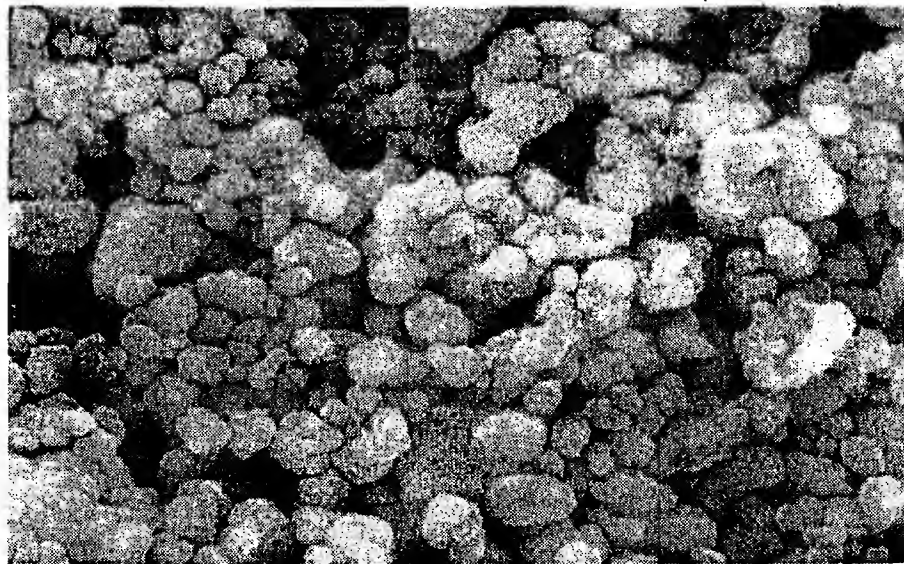
MAGNIFICATION 104,000 \*





# *FIG. 8*

MICROGRAPH SHOWING AGGLOMERATES WITH  
SIZES BETWEEN 0.3 AND 1.5  $\mu\text{m}$



MAGNIFICATION : 10,000 \*

# *FIG. 9*

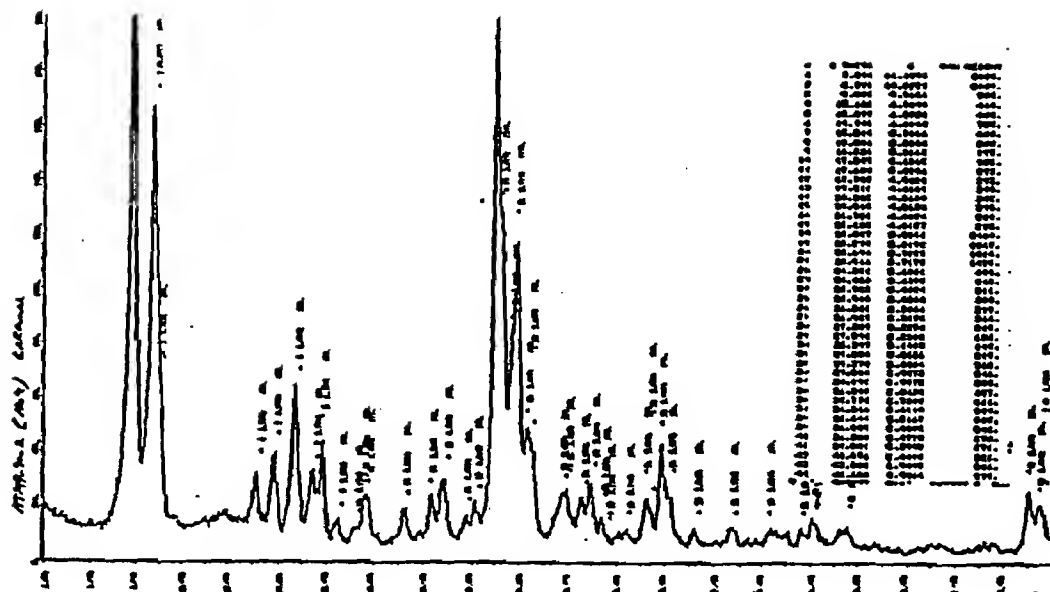


MAGNIFICATION : 10,000 \*

MICROGRAPH SHOWING AGGLOMERATES WITH  
A SIZE BETWEEN 0.2 AND 1.5  $\mu\text{m}$

## FIGURE 1

120°C - Crystals



50°C - Crystals

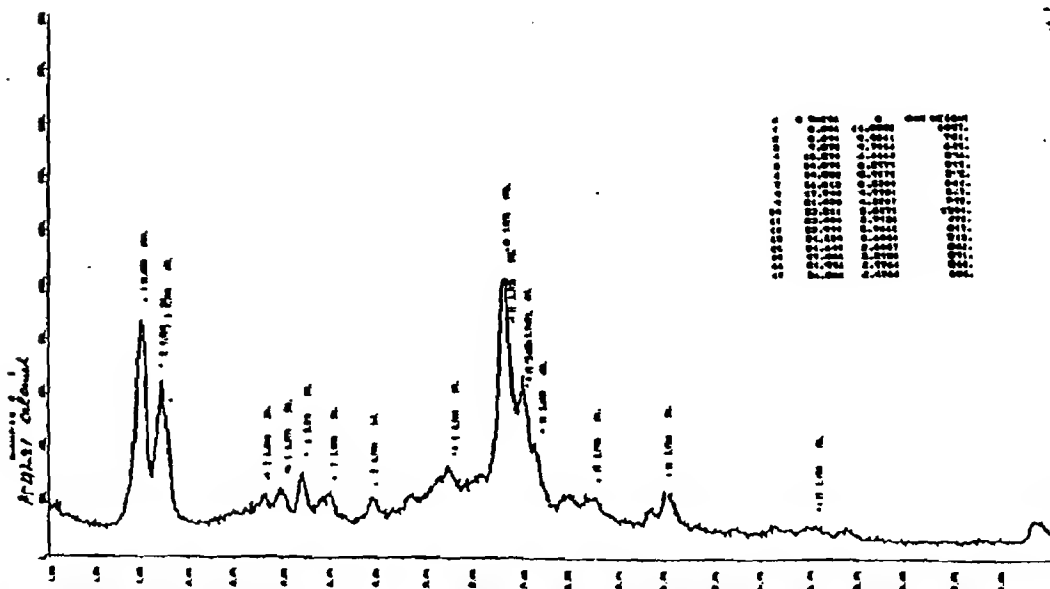
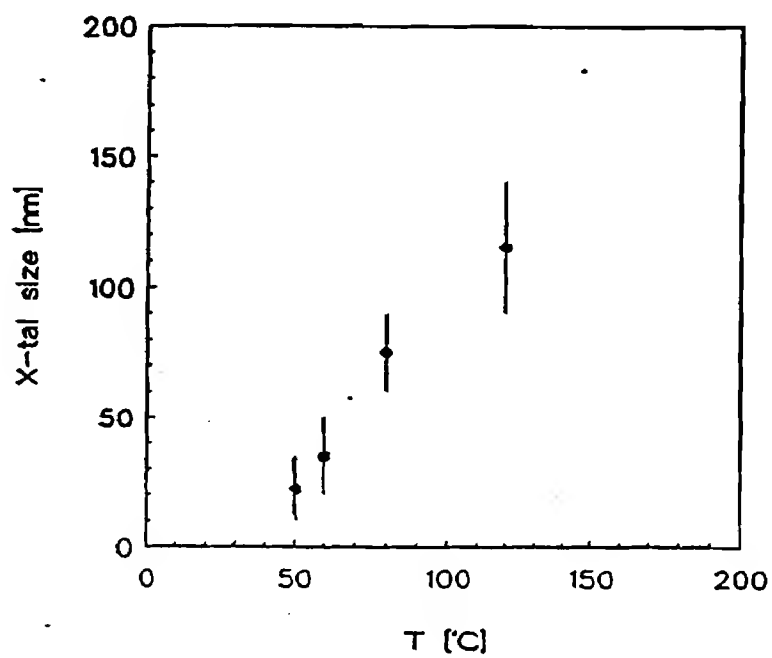


FIGURE 2EFFECT OF SYNTHESIS TEMPERATURE ON MFI-CRYSTALLITE SIZE

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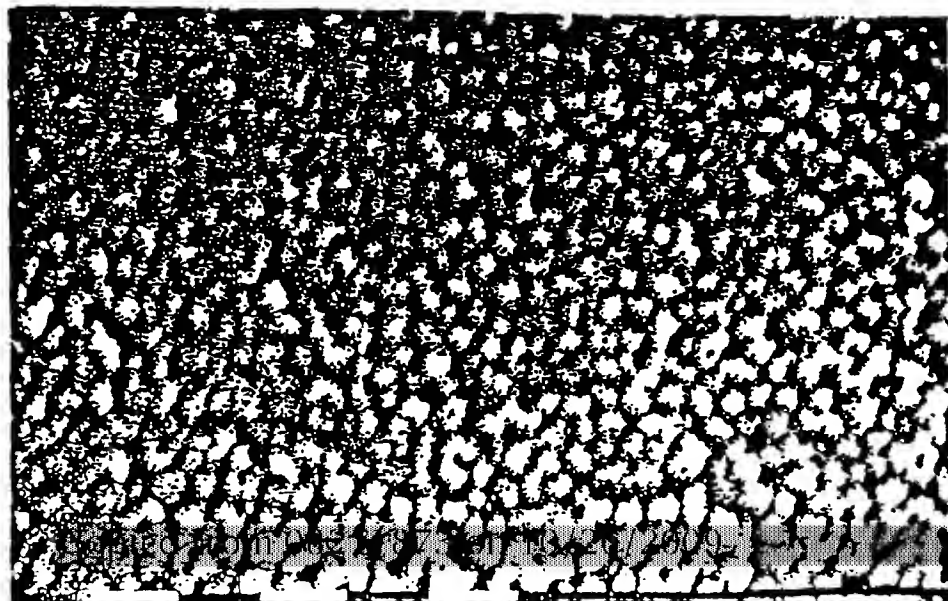
FIGURE 3

MAGNIFICATION : 104,000 \*

120°C - Crystals



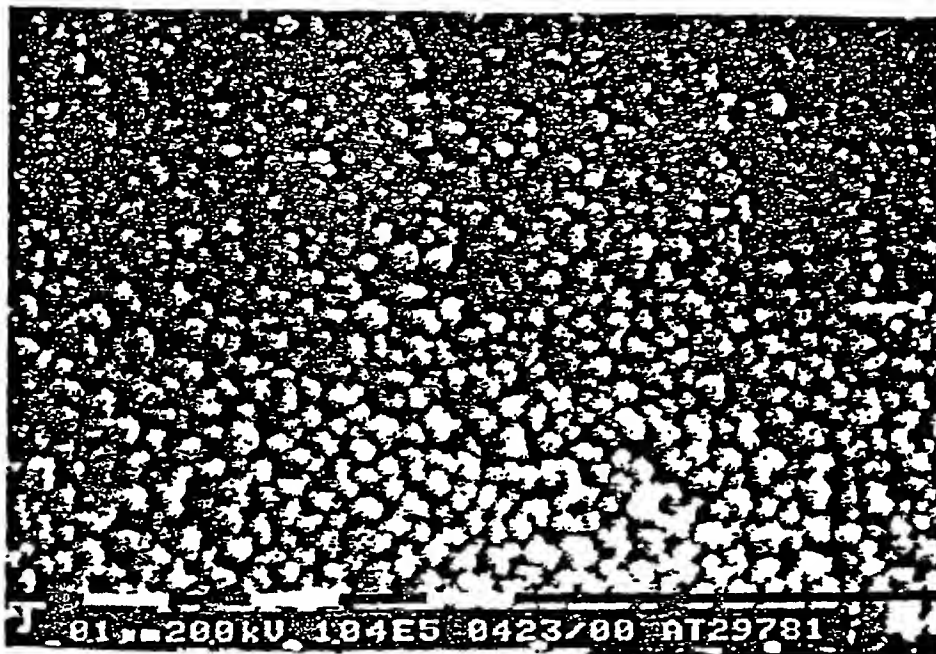
50°C - Crystals



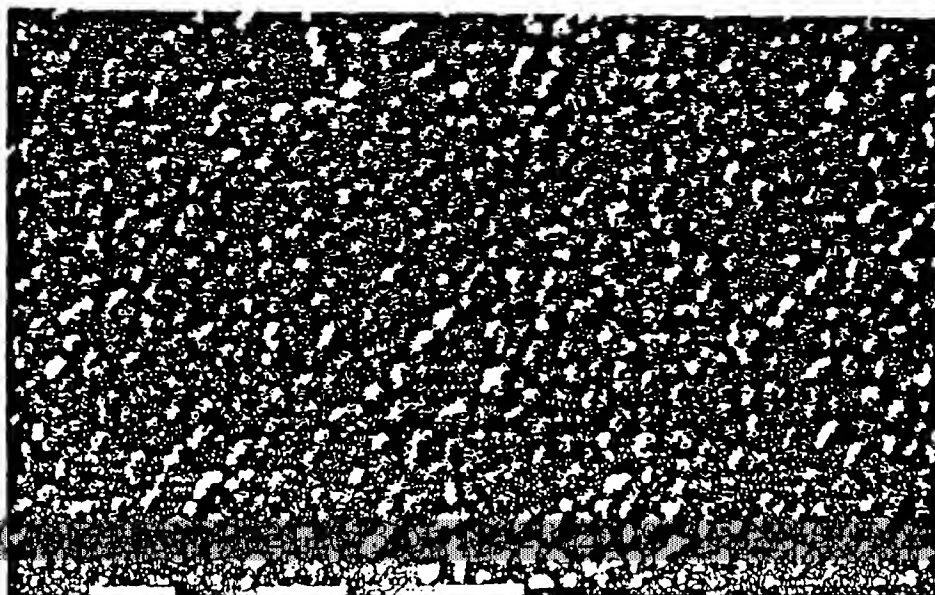
F I G U R E    4

COMPARATIVE 140,000 \* SEM MICROGRAPHS

Silicalite - 1 pre-aged at 50°C



Silicalite -1 pre-aged at 50°C followed by 100°C crystallisation

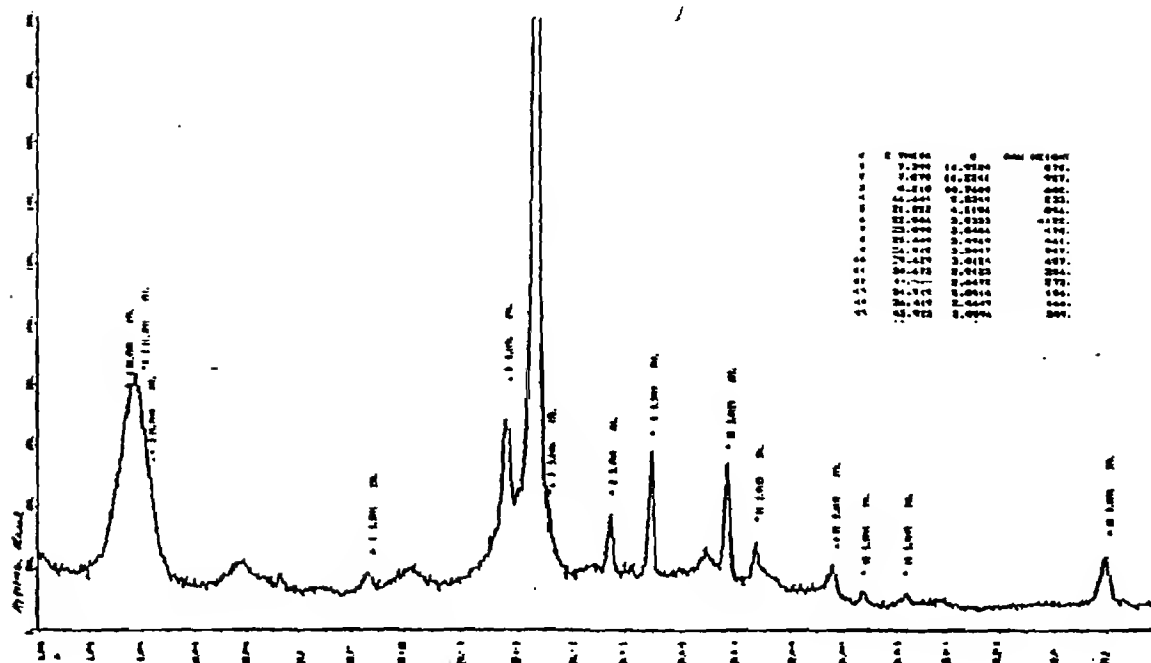




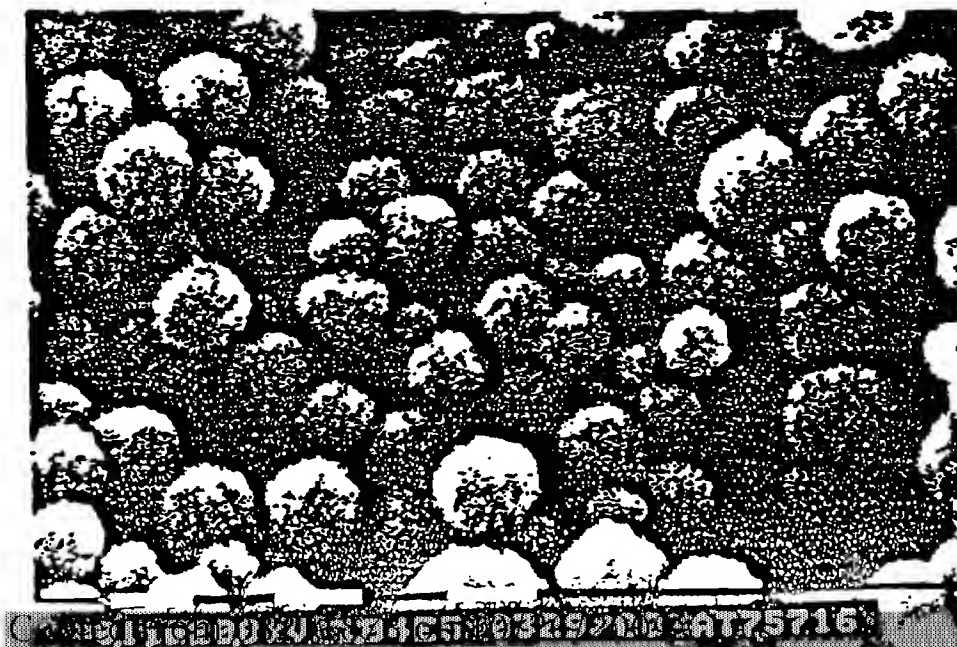
01mm200kV 104E5 0047/00 AT15003

## FIGURE 6

XRD OF PRODUCT DRIED AFTER SYNTHESIS

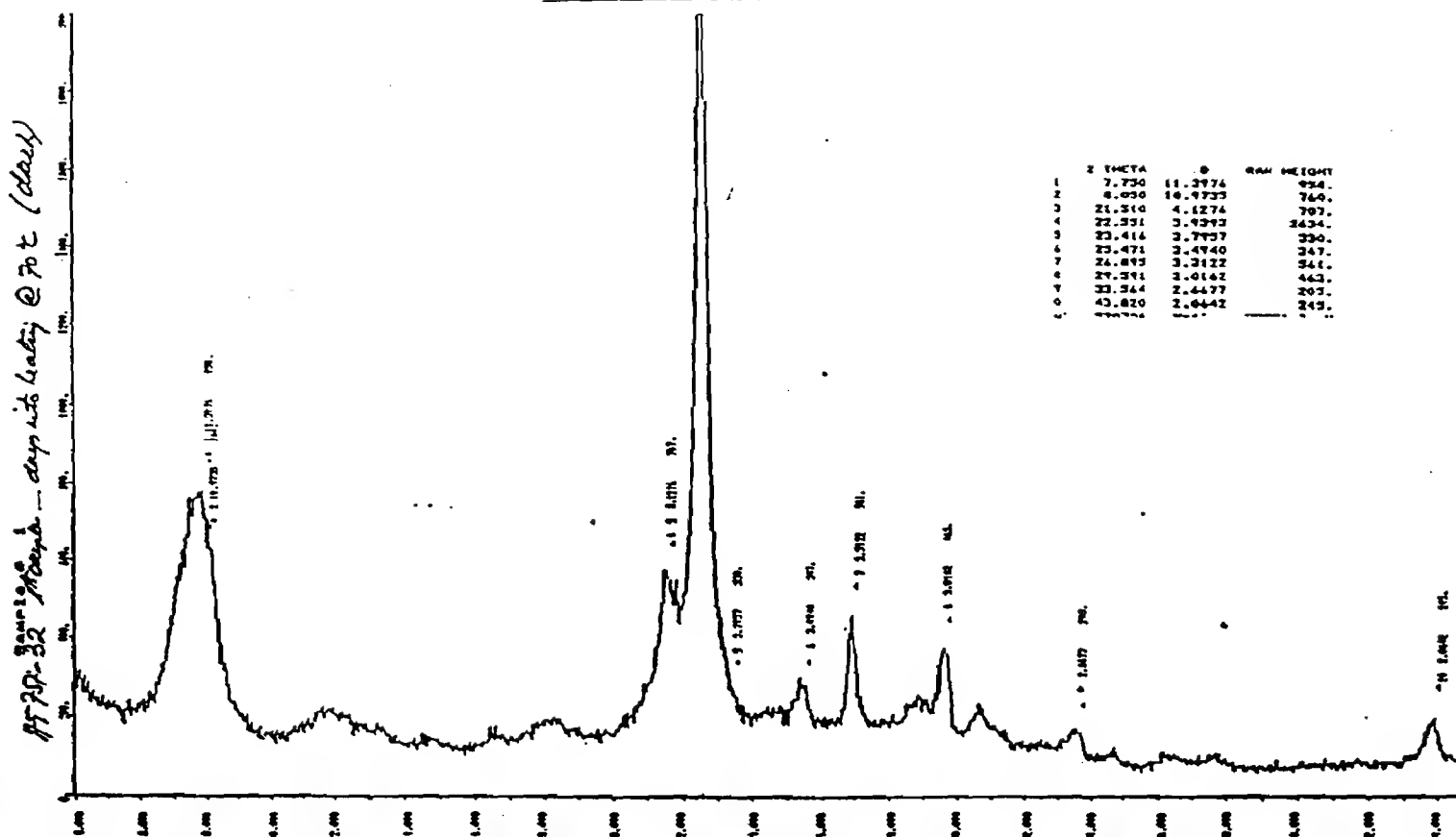


SEM MICROGRAPH, MAGNIFICATION 104,000\*



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FIGURE 7



SEM micrographs 40,000x and 104,000x, Av. K<sub>2</sub>Si<sub>2</sub>O<sub>5</sub> ~ 50 N.meter



FIGURE 8

SEM Micrograph

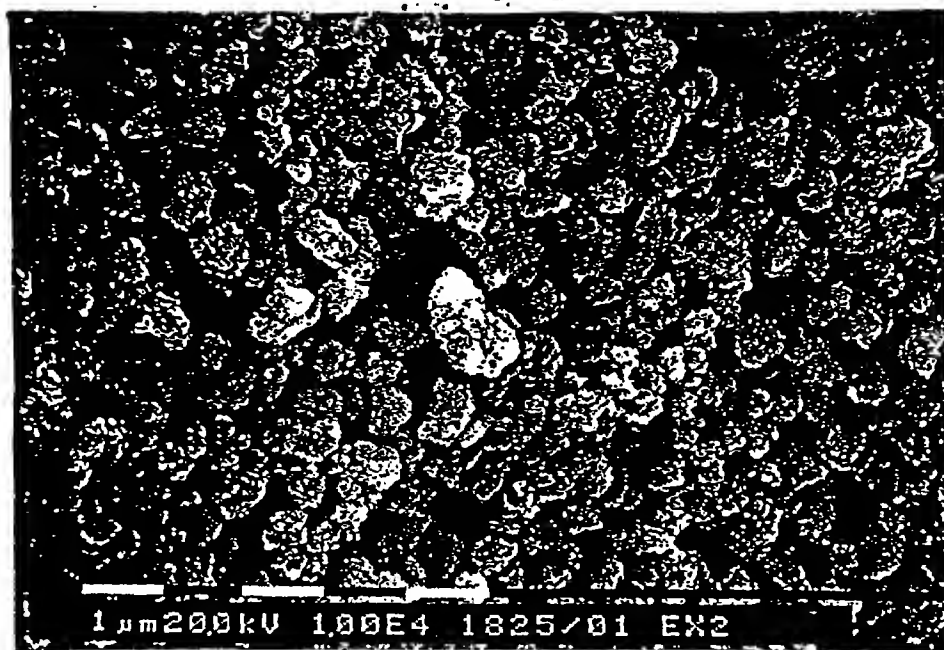


Magnification 10,000\*

Micrograph shows agglomerates with size between  
0.3 and 1.5 μm

FIGURE 9

SEM micrograph



Magnification 10,000\*

Micrograph shows agglomerates with a size between 0.2 and 1.5 μm